

WHAT IS CLAIMED IS:

1. An electronic thermometer comprising a casing, an electronic thermometer module mounted in the casing, a metal probe electrically connected to the electronic thermometer module for sensing the body temperature, a flexible covering covered on the casing, the flexible covering having a tapered front portion protruded over the front side of the casing to a distance, and a hard stem connecting the metal probe to the distal end of the tapered front portion of the flexible covering, the flexible covering comprising a waterproof push button integral with the flexible covering for pressing by a finger to turn on/off the switch of the electronic thermometer module, and a groove extended around the push button for enabling said push button to be easily deformed to turn on/off the switch, said flexible covering having a sealing flange with a skew edge which is integrally formed with said flexible covering and extended around the periphery near the rear side, and a locating groove extended around the periphery adjacent to the sealing flange, a cap having an inside engagement portion fitting the sealing flange and locating groove of said flexible covering, said engagement portion being forced over said sealing flange into watertight engagement with the locating groove of said flexible covering, said flexible covering extending from the front end to the rear

- end of said casing and being made integrally.
2. The electronic thermometer as claimed in claim 1, wherein said flexible covering has two embossed portions integrally formed with said flexible covering and are symmetrically provided at two sides thereof for
5 positioning the fingers to hold the electronic thermometer and for decorating the casing.
 3. The electronic thermometer as claimed in claim 1, wherein said casing is formed from transparent material; said flexible covering has an opening for viewing a liquid crystal display of said electronic thermometer module.
 - 10 4. The electronic thermometer as claimed in claim 1, wherein said casing is made of transparent material and said flexible covering on said casing is formed with two recesses, one on the top and the other on the bottom, thereby providing a window for viewing the display, and two panels are force-fitted in said recesses to hold said push button in position and
15 decreasing said window for viewing the display.
 5. An electronic thermometer comprising a casing, an electronic thermometer module mounted in said casing, and a metal probe electrically connected to said electronic thermometer module and disposed outside said casing for sensing the body temperature, wherein a flexible covering is covered on
20 said casing, said flexible covering has a tapered front portion protruded

over a front side of said casing to a distance; a hard stem is connected between an end of said tapered front portion of said flexible covering and an end of said metal probe.

6. The electronic thermometer as claimed in claim 5, wherein said casing is
5 formed from transparent material; said flexible covering has an opening for viewing a liquid crystal display of said electronic thermometer module.
7. The electronic thermometer as claimed in claim 5, wherein said flexible covering comprises a waterproof push button integrally formed with said flexible covering for pressing by a finger to turn the on/off switch means of
10 said electronic thermometer module, and a groove extended around said push button for enabling said push button to be easily deformed to turn on/off said switch.
8. The electronic thermometer as claimed in claim 5, wherein said flexible covering has embossed portions integrally formed with said flexible
15 covering and symmetrically provided at two opposite lateral sides thereof for the holding of the thermometer in the hand.
9. The electronic thermometer as claimed in claim 5, wherein said hard stem has a threaded neck extended from one end thereof and threaded into said tapered front portion of said flexible covering.
- 20 10. The electronic thermometer as claimed in claim 5, wherein said hard stem

has a smooth peripheral wall disposed outside said flexible covering and said metal probe.

11. The electronic thermometer as claimed in claim 5, wherein said casing has a rear side remote from the tapered front portion of said flexible covering, and a cap placed on said rear side, said rear side having a sealing flange with a skew edge extended around the periphery thereof and a locating groove extended around the periphery adjacent to said sealing flange, said cap having an inside engagement portion fitting over said sealing flange and forced into engagement with said locating groove, thereby providing a watertight sealing effect.
12. The electronic thermometer as claimed in claim 5, wherein said casing is made of transparent material and said flexible covering on said casing is formed with two recesses, one on the top and the other on the bottom, thereby providing a window for viewing the display, and two panels are force-fitted in said recesses to hold said push button in position and decreasing said window for viewing the display.